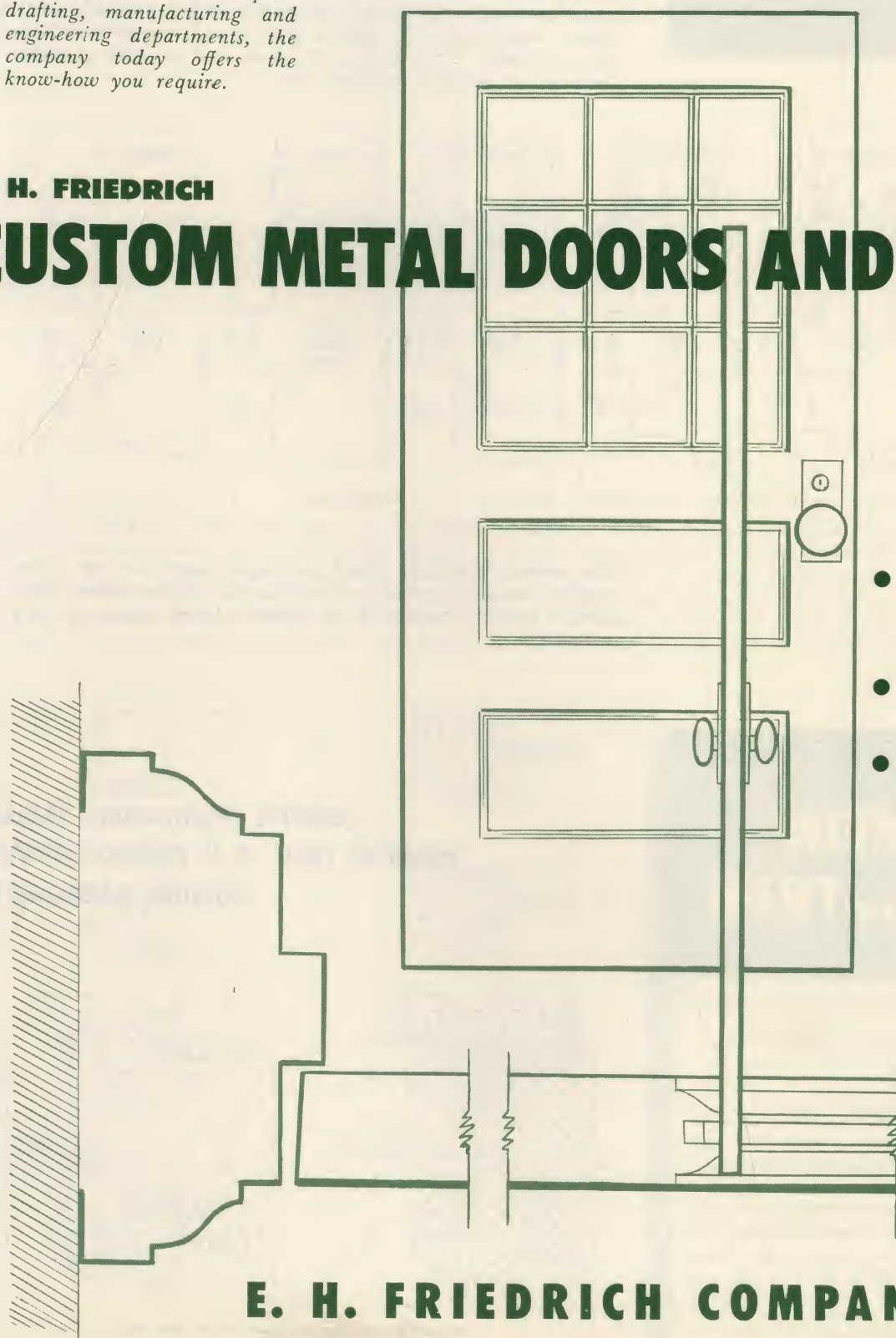


*In an industry noted for its competitive nature, E. H. Friedrich Company has grown soundly and continually since 1890. Since 1916, we have engineered and manufactured custom metal doors, frames and other sheet metal products to the increasingly rigid specifications of architects. With complete drafting, manufacturing and engineering departments, the company today offers the know-how you require.*

**E. H. FRIEDRICH**

# **CUSTOM METAL DOORS AND FRAMES**



- Complete hollow-metal and Kalamein line
- Experienced engineering service
- Own-truck delivery in the northeast

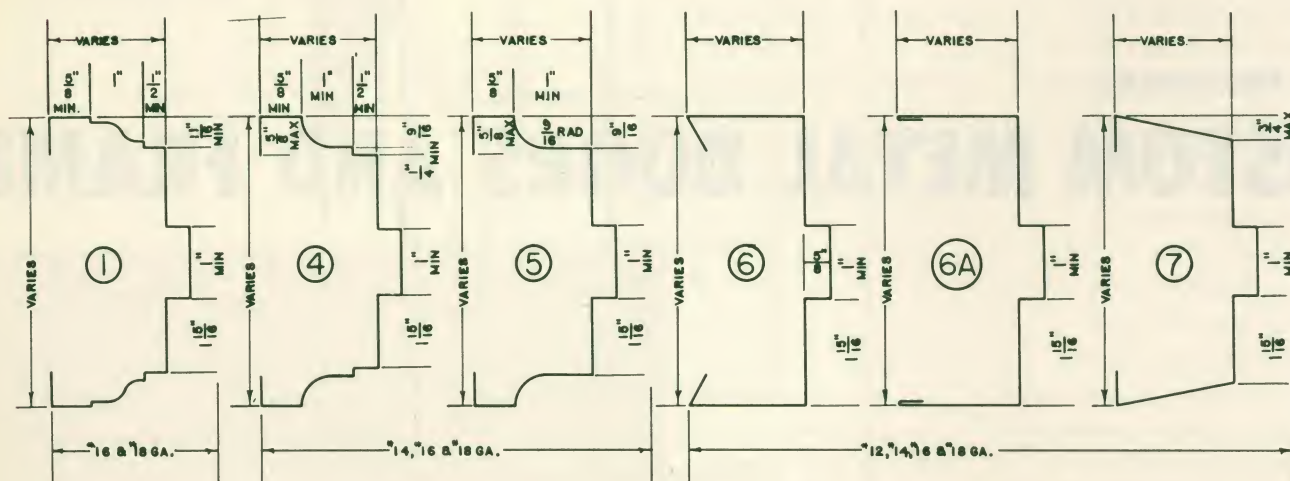
**E. H. FRIEDRICH COMPANY**

**HOLYOKE, MASSACHUSETTS**



# HOLLOW METAL FRAMES

Hollow metal frames are fabricated from prime quality cold rolled steel sheets in the gauges indicated below. All frames are made with *fully mitered and welded joints* between the jamb and head members. The surface of the joint is ground, filled and ground again to achieve an invisible joint between the members. As standard procedure, all frames are furnished with drilled and tapped reinforcements for mortised hardware, reinforcing plates for surface hardware, dust or plaster boxes behind all tapped reinforcements, three adjustable corrugated anchors per jamb, temporary steel angle spreaders at the bottom of the frame opening, and one shop coat of rust-inhibitive metal primer. Hollow metal frames can be furnished with Underwriters' labels when required. Types 6, 6A, and 7 are also available in either 16-gauge or 14-gauge stainless steel.

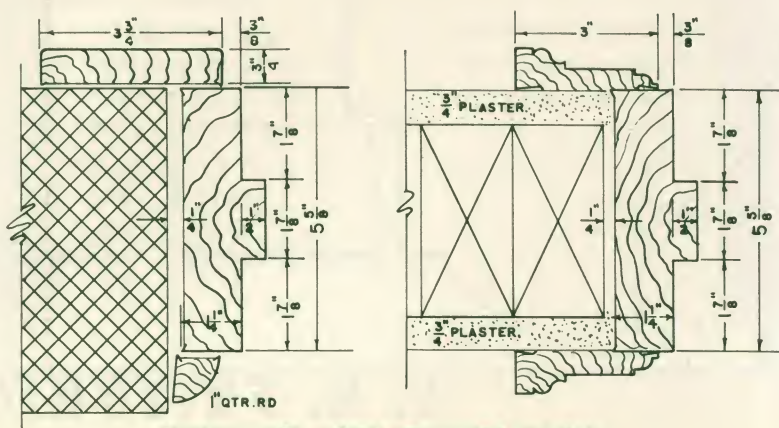


The sections illustrated above are representative of the more common forms of profiles currently in use. Other sections, that combine certain features of the profiles shown above, are also available.

## KALAMEIN FRAMES AND TRIM

Kalamein frames and trim have cores of northeastern white pine covered with 26-gauge galvanized iron that has been treated to present a proper bond for paint. The steel covering is drawn on to the wood core through steel dies. We recommend the application of drilled and tapped steel plates on the back of the jamb behind the hinge mortises to insure a permanent job of hinge mounting.

**COMPLETE SPECIFICATIONS AVAILABLE  
PROMPTLY FROM E. H. FRIEDRICH COMPANY  
HOLYOKE, MASSACHUSETTS**

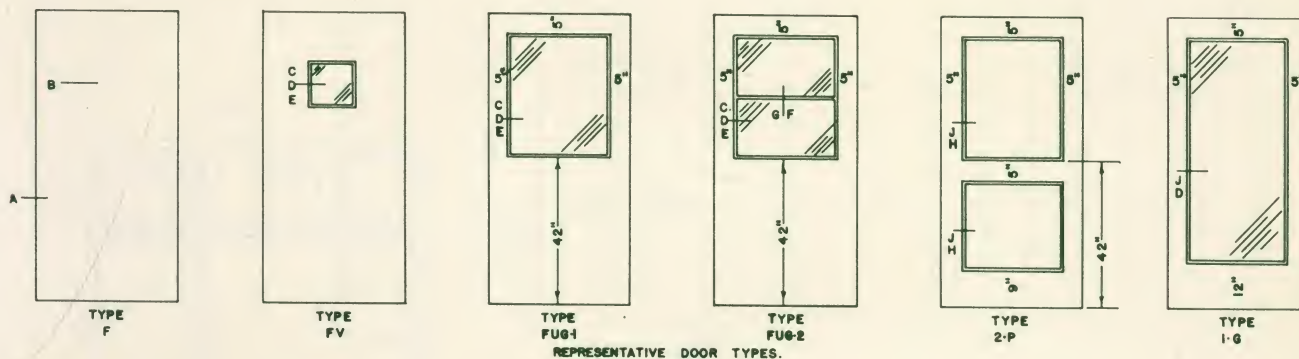


STANDARD JAMBS, CASINGS, AND MOULDING AVAILABLE

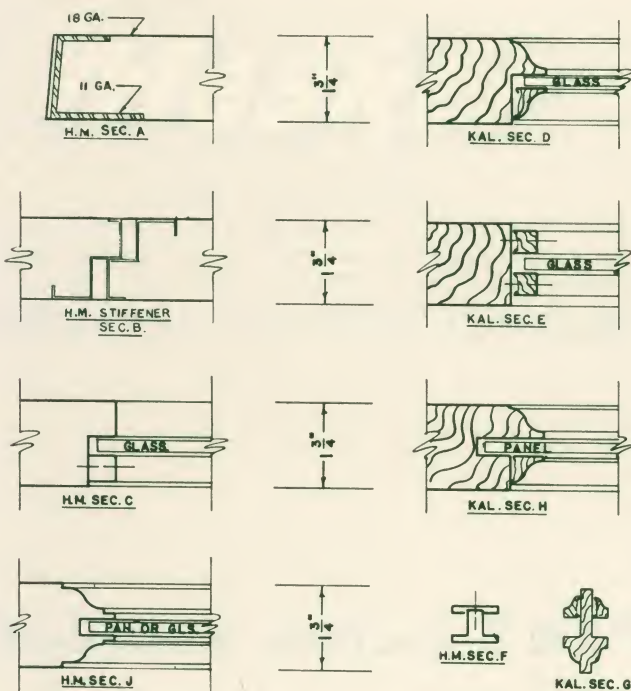


As standard construction, each face of our flush hollow metal door consists of a full sheet of 18-gauge cold rolled prime steel, without seams or joints, and with continuous "hat" shaped stiffeners in the core spot-welded to both faces, thereby both reinforcing and inter-connecting each face. The spaces between the stiffeners are filled with mineral wool felt batts. Continuous 11-gauge steel channel members are spot-welded to one face near each edge of the door to act as reinforcing for mortised hardware and to stiffen the edges of the door. These doors can also be furnished with their faces constructed of either 16-gauge or 14-gauge steel as an extra item.\* The surfaces of all doors are filled with a mineral filler compound, sanded smooth and then given one coat of rust-inhibitive primer.

# HOLLOW METAL AND KALAMEIN DOORS



Cores of Kalamein doors are made of northeastern white pine, free from loose knots and pitch pockets. Flush Kalamein doors are covered with 24-gauge galvanized steel that has been treated to insure a good bond for painting. Each face is covered with a full sheet glued to the core under pressure and showing no seams or joints. Paneled Kalamein doors are covered with 26-gauge galvanized steel that has been treated to insure a proper bond for painting. This steel covering is drawn on over the cores of the stiles and rails through steel dies of the proper contour. All doors receive one coat of rust-inhibitive primer.\*



## REPRESENTATIVE INSTALLATIONS - 1959

**Tri-County Osteopathic Hospital**  
Kittery, Maine

Maurice E. Witmer, *Architect*

**Claremont General Hospital**

Claremont, New Hampshire

James H. Ritchie Associates, *Architects*

**Windsor High School**

Windsor, Vermont

Helmer & Cole, *Architects*

**East Longmeadow High School**

East Longmeadow, Massachusetts

Alderman & MacNeish, *Architects*

**Modern Language Center**

Harvard University

The Architects Collaborative, *Architects*

**St. Francis Hospital**

Hartford, Connecticut

York & Sawyer, *Architects*

**Junior High School**

West Barrington, Rhode Island

Harkness & Geddes, *Architects*

**Catholic Central High School**

Gloversville, New York

Ryder & Link, *Architects*

**Longview State Hospital Addition**

Cincinnati, Ohio

Glaser & Myers, *Architects*

**Wisconsin State College Dormitory**

Madison, Wisconsin

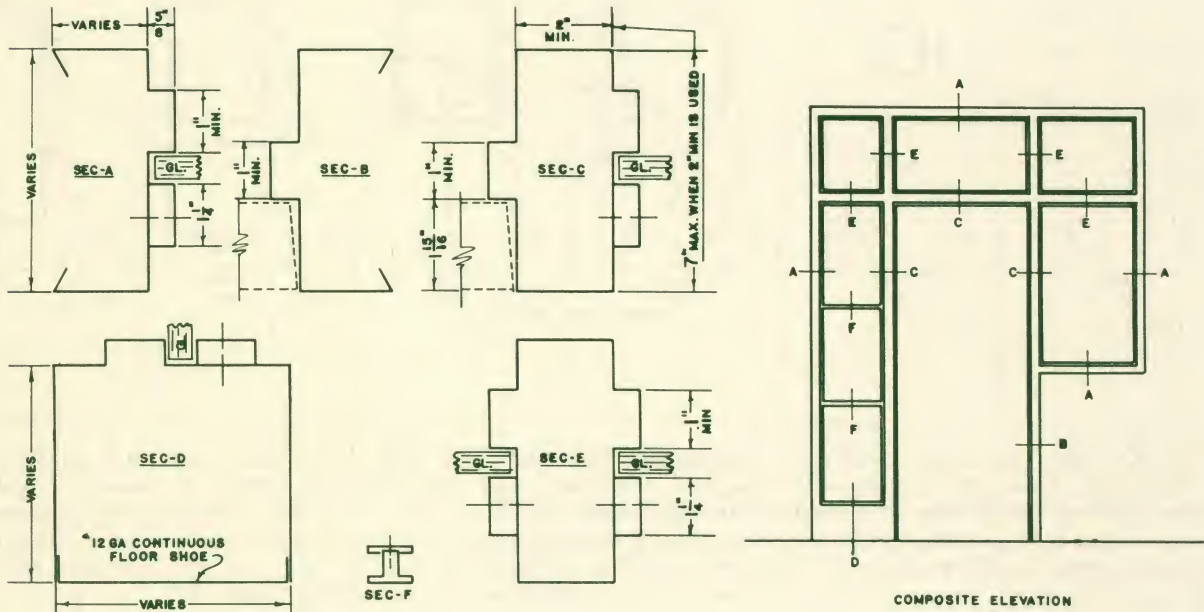
Schubert, Sorensen & Associates, *Architects*

\*Both hollow metal and kalamein doors can be furnished with Underwriters' labels when required.



## SPECIAL FRAMES AND SMOKE SCREENS

The elevation below is hypothetical in an attempt to present a composite picture that embodies all of the possible sections to be encountered when using a basic jamb section similar to our type 6. Please note that the width of the jamb at section B is maintained on the mullion at section C. Variations in the number and arrangement of mullions and muntins can be used as desired. These frames are made of prime quality cold rolled steel and are available in either 16, 14, or 12-gauge. For exterior frames, we recommend using 12-gauge galvanized steel, which is a regular weight galvanized sheet that has been processed to give a surface that insures a good, lasting paint bond.



## TIN CLAD DOORS AND HARDWARE

Three-ply and two-ply tin clad doors of either the gravity slide, level slide, or swing type are available with Underwriters' labels. Complete hardware for sliding singles and pairs, or swinging singles and pairs are available in either labelled or non-labelled sets.

**E. H. FRIEDRICH COMPANY HOLYOKE, MASSACHUSETTS**

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